

PUERTO RICO

SUMMARY OF PLANT PROTECTION REGULATIONS

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Puerto Rico Department of Agriculture

Plant Quarantine Services

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NURSERY STOCK DEFINITION

Plants and plant products means all vegetable matter, including but not limited to trees, shrubs, vines, forages and farinaceous plants, grains, vegetables, cereals, and parts or plant products such as leaves, stems, branches, roots, fruits, flowers, bulbs, tubers, stolons, cuttings, buds, grafts, seeds, tree trunks and wood. **Vegetative propagative material** means all plants and plant products, trees, shrubs, vines, bulbs, cuttings, grafts, buds, and seeds cultivated or maintained for, or capable of propagation, distribution or sale.

GENERAL SHIPPING REQUIREMENTS

All plants and/or vegetative propagating material introduced into Puerto Rico must be free from sand, soil, earth, and other foreign matter and must be accompanied by an inspection certificate issued by the governmental authorities in charge of enforcing plant quarantine regulations in the state, territory or district in the U.S. from which the material comes. The certificate must bear the name of the state, territory, district or country where the material was cultivated; the name and address of the consignee and importer; and the accepted common name or scientific name of the plant. It must also indicate that the material was duly inspected and is apparently free of plant pests. The material must meet all applicable federal quarantines.

Vegetative propagating material of sugarcane and pineapple is prohibited *except* for introduction by Federal and/or Commonwealth government experiment stations and plant nurseries under special permit issued by the Secretary of Agriculture. All fruits and vegetables must be free from plants, plant parts or other foreign matter. The introduction of soil, earth, sand or other similar material is allowed only under permit granted by the Secretary of Agriculture.

The introduction of plant pests or live insects in any stage is prohibited unless a permit has been obtained previously from the Secretary of Agriculture. All public porters (ships, airlines, etc.) are subject to inspection.

NOXIOUS WEEDS (Contact Department for specific requirements)

Acacia farnesiana
Albizia procera
Alnus spp.
Alternanthera philoxeroides
Alternanthera sessilis
Alternanthera spp.
Bacopa spp.
Bidens mitis
Borreria alata
Brasenia schreberi
Cabomba caroliniana
Cabomba spp.
Calotropis procera
Cephalanthus occidenealis
Ceratophyllum demersum
Ceratophyllum spp.
Chara spp.
Cladium jamaicense
Cleome viscosa
Cleuta mexicana
Colocasia esculenta
Conna flaccida
Crinum americanum
Cuscuta spp.
Cyperus odoratus
Datura stramonium L.
Dichromena spp.
Egeria densa
Eichornia crassipes
Eichvorina spp.

Elaeagnus multiflora
Elcocharis baldwinii
Eleucharis spp.
Eleusine indica
Euphorbia heterophylla L.
Fuirena scirpoldea
Funcus effusus
Hydrilla verticillata
Hydrochloa carolinensis
Hydrocotyle spp.
Hydrocotyle umbellata
Imperata brasiliensis trinius
Imperata cylindrica
Ipomoea spp.
Ipomoea triloba L.
Iris virginica
Jatropha gossypifolia L.
Juncus effusus
Lachnanthes caroliniana
Lachnocaulon spp s.
Lenna valdiviana
Limnobium spongia
Ludwigia alternifolia
Ludwigia repens
Ludwigia spp.
Luziola fluitans
Mayaca fluviatilis
Melaleuca spp.
Micranthemum umbrosum
Mikania micrantha

Mimosa casta L.
Myriophyllum spicatum
Myriophyllyum aquaticum
Myriophylum spp.
Najas guadalupensis
Nelumbo lutea
Nuphar luteum
Nymphaca odorata
Nymphaea mexicana
Opuntia dillenii
Orobanche spp.
Orontium aquaticum
Panicum hemitomon
Parthenium hysterophorus L.
Peltandra virginica
Pennisetum purpureum
Phragmites australis
Pistia stratiotes
Polygonum spp.
Pontederia cordata
Potagometon illinoensis
Potamogeton pectinatus
Potamogeton spp.
Prosopis juliflora
Rhynchospora spp.
Rottboelia cochinchinensis
Saccharum spontaneum L.
Sagittaria graminea
Sagittaria lancifolia
Sagittaria latifolia

Sagittaria spp.
Salix spp.
Salvinia spp.
Sapium sebirefum
Saururus cernuus
Scirpus spp.
Solanum torvum swartz
Solanum viarum Dunal
Sorghum halepense
Spirodela polyrhiza
Tamarix spp.
Thalita geniculata
Tridax procumbens L.
Typha spp.
Utricaria spp.
Utricularia follosa
Xanthium strumarium L.
Zizania aquatica
Zizaniopsis miliacea

PLANT VIRUSES (Contact Department for specific requirements)

Bean Pod Mottle Virus
Bean Golden Moaic Virus
Citrus Tristeza Virus
Cucumber Mosaic Virus
Dasheen Mosaic Virus
Papaya Ringspot Virus
Pepper Mottle Virus
Potato Virus Y
Rhyncosia Mosaic Virus
Rosa Mosaic Virus

Sida Mosaic Virus
Sugarcane Mosaic Virus
Tobacco Etch Virus
Tobacco Mosaic Virus
Tobacco Streak Virus
Tobacco Ringspot Virus
Soybean Crinkle Leaf Virus
Soybean Chlorotic Monttle Virus
Soybean Yellow Vein Virus
Soybean Dwarf Virus
Soybean Mosaic Virus
Cowpea Mild Mottle Virus
Cowpea Severe Mosaic Virus
Cowpea Mosaic Virus
Peanut Chlorotic Streak Virus
Peanut Mottle Virus
Peanut Stripe Polyvirus

FUNGAL DISEASES PEANUT

Alternaria spp.
A. arachidis
A. flavus
Biopolaris spicifera
Colletotrichum mangenoti
Colletotrichum arachidis
Cristulariella moricola
Cylindrocladium crotalariae
C. scoparium
Leptosphaerulina crassiasca
Neocosmospora vasinfecta
Oidium arachidis

Olpidium brassicae
Pestalotiopsis arachidis
Phoma microspora
Phomopsis sojae
Phyllosticta arachidis - hypogaea
P. Sojaecola
Phymatotrichopsis omnivora
P. Myriotylum
Phizopus spp.
Sclerotina minor
Sphaceloma arachidis
Thielaviopsis basicola
Verticillium dahliae

FUNGAL DISEASES SORGHUM

Acremonium strictum
Ascochyta sorghina
A. Sorghi
Bipolaris sorghicola
Fusarium graminearum
Fusarium moniliforme var. subglutinans
Gloeocerospora sorghi
Periconia circinate
Phoma sorghina
Phyllachora sacchari
Ramulispora sorghicola
Ramulispora sorghi
Sclerophthora macrospora
8porisorium reilianum
Tolyposporium ehrenbergii

FUNGAL DISEASES CORN

Ascochyta spp.
Botryosphaeria zeae
Cephalosporium maydis
Cercospora zeae-maydis
Claviceps gigantee
Curvularia pallescens
Diplodia macrospora
D. Maydis
Fusarium graminearum
Gloeocerospora sorghi
Helminthosporium carbonum
Helminthosporium maydis
Hyalothyridium sp.
Kabatiella ziae
Penicillium oxalicum
Phaeosphaeria maydis
Peronosclerospora sacchari
Peronosclerospora maydis
Peronosclerospora sorghi
Peronosclerospora philippinensis
Sclerotthora macrospora
Sclerotthora rayssiae var. ziae
Sclerosporaa graminicola
Sphacelotheca reiliana
Physoderma maydis
Phyllosticta maydis
Pyrenopeziza terrestris

FUNGAL DISEASES SOYBEAN

Aspergillus flavus
Calonectrica crotalariae

Cercopora sojina
Chaetomium cupreum
Choanephora infundibulifera
Colletotrichum truncatum
Colletotrichum destructivum
Dactuliochaeta glycines
Diaporthe phaseolorum var. *caulivora*
Fusarium oxysporum
Mycoleptodiscus terrestris
Neocosmospora vasinfecta
Nematospora coryli
Phomopsis sojae
Phomopsis longicolla
Phyllosticta sojicola
Phytophthora megasperma
Pythium aphanidermatum
P. debaryanum
P. ultimum
P. irregularare
P. myriotylum
Sclerotinia sclerotiorum
Sclerotium rolfsii
Septoria glycines
Sphaceloma glycines
Thielaviopsis basicola
colletotrichum dematium
Curvularia spp.
Diaporthe sojae
D. phaseolorum
Fusarium equiseti

F. pallidoroseum f.sp. *meridionalis*
Fusarium equiseti
F. pallidoroseum
F. solani f. sp. *glycines*
F. moniliforme
Helicomina sp.
Myrothecium roridum
Nigrospora sp.
Periconia sp.
Phomopsis phaseoli f. sp. *meridionalis*
Phytophthora sojae
Thanatephorus cucumeris

FUNGAL DISEASES CANOLA

A. Brassicicola
Peronospora parasitica
Plasmoidiophora brassicae
Pseudocercosporella capsellae

FUNGAL DISEASES SUNFLOWER

Albugo tragopogonis
A. helianthi
A. helianthicola
A. leucanthemi
A. zinnie
Coleosporium hellenthii
C. pacificum
Entyloma polysporium
*E.C. var. *latispora**
Leveillula compositarum
Phialophora asteris
Phoma macdonaldii

Phomopsis helianthi
Phytophthora dreschleri
Plasmopara halstedii
P. helianthi
Puccinia helianthi
P. irregularis
Rhizopus microsporus
Sclerotinia minor
Septoria helianthi
Spaerotheca fuliginea
Uromyces junci

FUNGAL DISEASES COTTON

Alternaria macrospora
Aspergillus flavus
Colletotrichum gossypii var. *cephalosporioides*
Nematospora coryli
N. nagpuri
Puccinia cacabata
Phomopsis sp.
Phymatotrichopsis omnivora
Thielaviopsis basicola
Verticillium dahliae

BACTERIAL DISEASES PEANUT

Pseudomonas sp.

BACTERIAL DISEASES SORGHUM

Pseudomonas andropogonis
Xanthomonas campestris pv. *holcicola*
Pseudomonas rubrisubalbicans
P. rubrilineans

Pseudomonas spp.

Pseudomonas sorghicola

Pseudomonas avenae

BACTERIAL DISEASES CORN

Clavibacter michiganensis

Sbsp. nebraskensis

Erwinia chrysanthemi pv. zeae

Pseudomonas atrofaciens pv. zeae

Pseudomonas avenae

BACTERIAL DISEASES SOYBEAN

Curtobacterium flaccumfaciens pv. flaccumfaciens

BACTERIAL DISEASES CANOLA

Xanthomonas campestris

BACTERIAL DISEASE SUNFLOWER

Pseudomonas syringae pv. aptata

P.S. pv. helianthi

P.S. pv. mellea

Pseudomonas syringe pv. tagetis

BACTERIAL DISEASES COTTON

Erwinia sp.

QUARANTINES OR ADDITIONAL REQUIREMENTS

BACTERIAL CANKER, *Bacterium vesicatorium* Doirolge

AREAS REGULATED: From all sources.

MATERIALS REGULATED: Tomato and pepper seeds.

RESTRICTIONS: Restrictions and/or prohibitions apply.

COFFEE PESTS

AREAS REGULATED: From all sources.

MATERIALS REGULATED: Coffee plants, seeds and coffee products.

RESTRICTIONS: Restrictions and/ or prohibitions apply.

VEGETABLE WEEVIL

PESTS: *Listroderes costirostris obliquus* (Klug) and Whitefringed Beetle, *Graphognathus* spp.

AREAS REGULATED: All states or territories of the U.S. and any foreign country.

MATERIALS REGULATED: Vegetables

RESTRICTIONS: Introduction of these insect pests is prohibited.

TRISTEZA (Quick Decline)

AREAS REGULATED: CA, FL and LA.

MATERIALS REGULATED: All citrus nursery stock.

RESTRICTIONS: Introduction of citrus nursery stock is prohibited.

PALM PESTS

AREAS REGULATED: All states or territories of the U.S. and any foreign country.

MATERIALS REGULATED: All palm plants, palm seeds and palm products (fresh).

RESTRICTIONS: Introduction of regulated materials is prohibited.

MEDITERRANEAN FRUIT FLY, *Ceratitis capitata* (Wiedemann)

AREAS REGULATED: CA or any foreign country.

RESTRICTIONS: Introduction is prohibited.

PLANTAIN AND BANANA PESTS

AREAS REGULATED: All foreign countries.

MATERIALS REGULATED: Seeds and/or vegetative parts and fruits of plantains and bananas.

RESTRICTIONS: Introduction of regulated materials is prohibited.